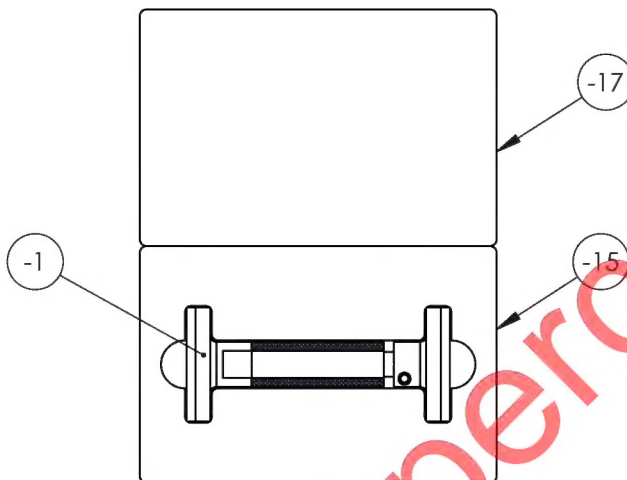


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.	3/27/2015	DPD	JAG
2	16-0268	-3, -5, -7 CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC 2. -3 DELETED DETAIL B, ADDED MIN. UNDERCUT NOTE, CH'D DIM WAS .60 IS 2X .60. CH'D THREAD CALL OUT WAS 9/16-18 IS 9/16-18 UNF -2A, WAS 3X 10-32 UNF THRU ALL IS 3X 10-32 UNF -2B THRU ALL. -5 CH'D THREAD CALLOUT WAS 9/16-18 UNF $\nabla$ 2.00 IS 9/16-18 UNF -2B $\nabla$ 2.00. -7 ADDED DIM .220. CH'D THERAD CALL OUT WAS 3X 10-32 UNF THRU ALL IS 3X 10-32 UNF -2B THRU ALL. -9 CH'D DIM WAS (.188) IS .19. CH'D MATERIAL WAS NYLON/DELIN IS NYLON/DELIN/ACETAL. -15, -17 CH'D DWG. TO SHEET METAL TOLERANCE, CH'D MATERIAL AND VENDOR WAS Y20 BLACK I.R. SPECIALTY IS EHTAFOAM 220, BLACK (CASE SOLUTIONS). -15 CH'D DIM WAS 4.83 IS 4.93, WAS 7.34 IS 7.43, WAS 2.58 IS 2.55, WAS 4X R.08 IS 4X R.14, DELETED DIM 4X R.08, ADDED DIMS 4X .50, 4X 45°, -17 CH'D DIM WAS 4.67 IS 4.93, WAS 7.14 IS 7.43, WAS 4X R.13 IS 4X R.14, WAS .45 IS .72, WAS 4X 1° IS 4X 2°, ADDED DIMS 4X .38, 4X 45°. -23, -25 DELETED.	2/28/2017	RJC	JAG



**UNDER REVIEW**

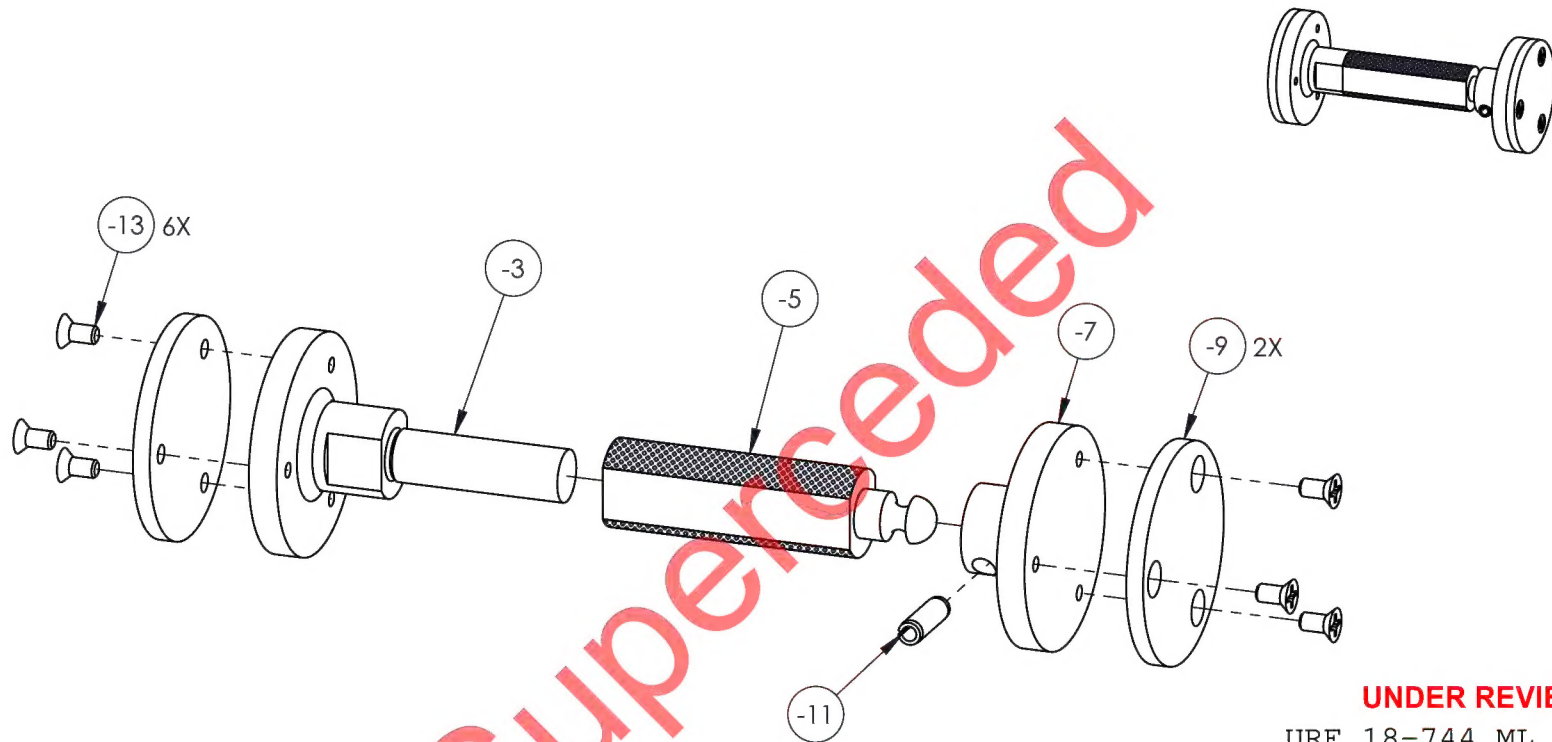
URF 18-744 ML 18-06-11

ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
	X		-1	1	EXPANDER ASSEMBLY			2
	1		-3		BASE	12L14		3
	1		-5		EXPANDER	12L14		4
	1		-7		END	12L14		5
	2		-9		PAD	NYLON/DELIN/ACETAL		6
	1	B/O	-11		SPRING PIN	STEEL	Ø1/4 X 7/8 (MCMMASTER-CARR #90692A741)	2
	6	B/O	-13		FLAT HEAD PHILLIPS SCREW	STEEL	10-32 X 3/8 (MCMMASTER-CARR #90273A827)	2
		B/O	-15	1	BOTTOM FOAM	ETHAFOAM 220, BLACK	2.55 X 4.93 X 7.43 (CASE SOLUTIONS)	7
		B/O	-17	1	TOP FOAM	ETHAFOAM 220, BLACK	.72 X 4.93 X 7.43 (CASE SOLUTIONS)	8
		B/O	-19	1	CASE	PLASTIC	PELICAN #APP-1120-E	N/S
		B/O	-21	1	DART PLACARD	ALUMINUM	RB41011	N/S
	ASSY -1							

DART AEROSPACE			
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL			
DWG NO. RBW6205G06131-3G			REV 2
MAT'L	UNLESS OTHERWISE SPECIFIED		
FEAT	DIMENSIONS ARE IN INCHES		
TREAT	.XXX ± .005 FRACTIONS ± 1/8		
FINISH	.XX ± .01 ANGLES ± 5°		
SPEC	.X ± .1 SURFACES = 125/✓		
DRAWN BY:	DUERFELDT		
CHECKED:	MACKOVJAK		
OPPS APPR:	ANDERSON		
QA APPR:	LINDSAY		
APPROVED:	GILBERT		
SCALE	1:4	DATE	3/9/2015
			SHEET 1 OF 8

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



**UNDER REVIEW**

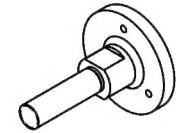
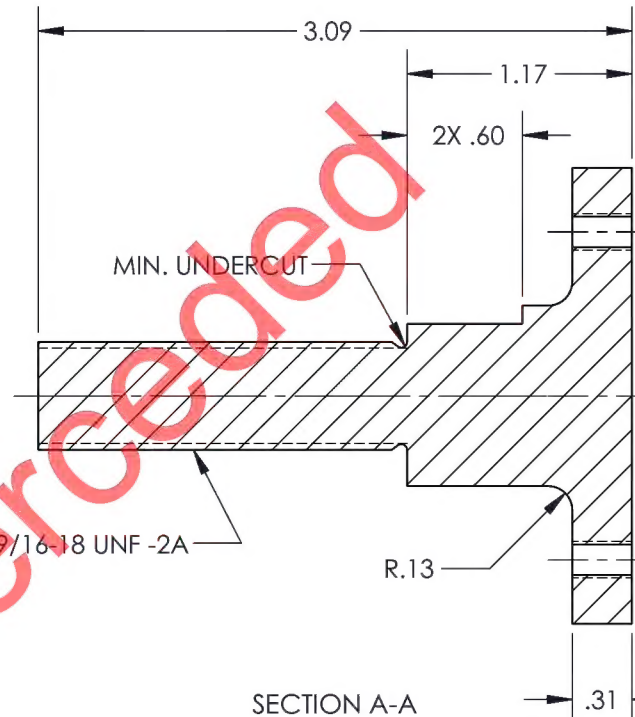
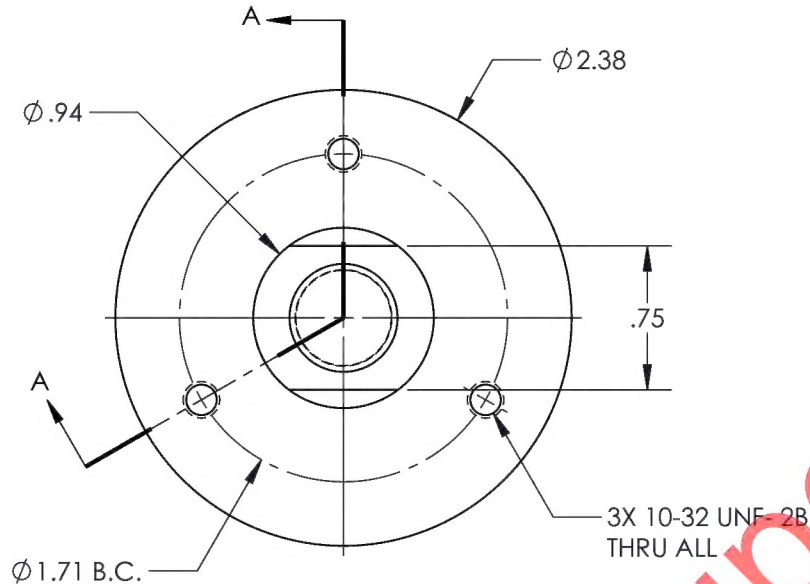
URF 18-744 ML 18-06-11

(-1)  
EXPANDER ASSEMBLY

<b>DART AEROSPACE</b>	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-1	REV 2
MAT'L	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:2	DATE 3/9/2015
	USED ON MODEL AW139
	SHEET 2 OF 8

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0268	-3 DELETED DETAIL B, ADDED MIN. UNDERCUT NOTE, CH'D DIM WAS .60 IS 2X .60, CH'D THREAD CALL OUT WAS 9/16-18 IS 9/16-18 UNF -2A, WAS 3X 10-32 UNF THRU ALL IS 3X 10-32 UNF -2B THRU ALL, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC 2.	2/28/2017	RJC	JAG



SECTION A-A

UNDER REVIEW  
URF 18-744 ML 18-06-11

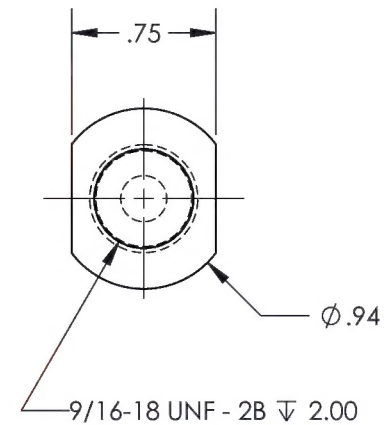
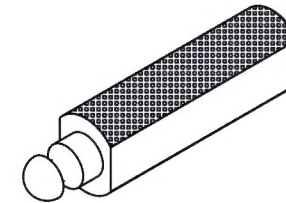
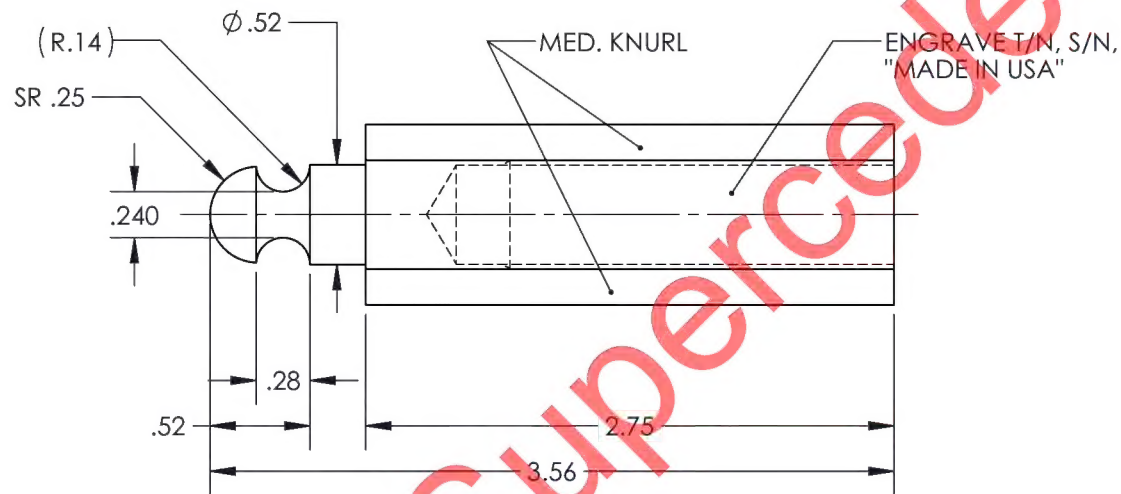
(-3)

BASE

<b>DART AEROSPACE</b>	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-3	REV 2
MAT'L 12L14	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± 5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:1	DATE 3/9/2015
SHEET 3 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0268	-5 CH'D THREAD CALLOUT WAS 9/16-18 UNF $\nabla$ 2.00 IS 9/16-18 UNF -2B $\nabla$ 2.00, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC 2.	2/28/2017	RJC	JAG



**UNDER REVIEW**  
URF 18-744 ML 18-06-11

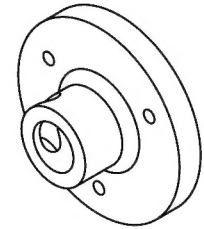
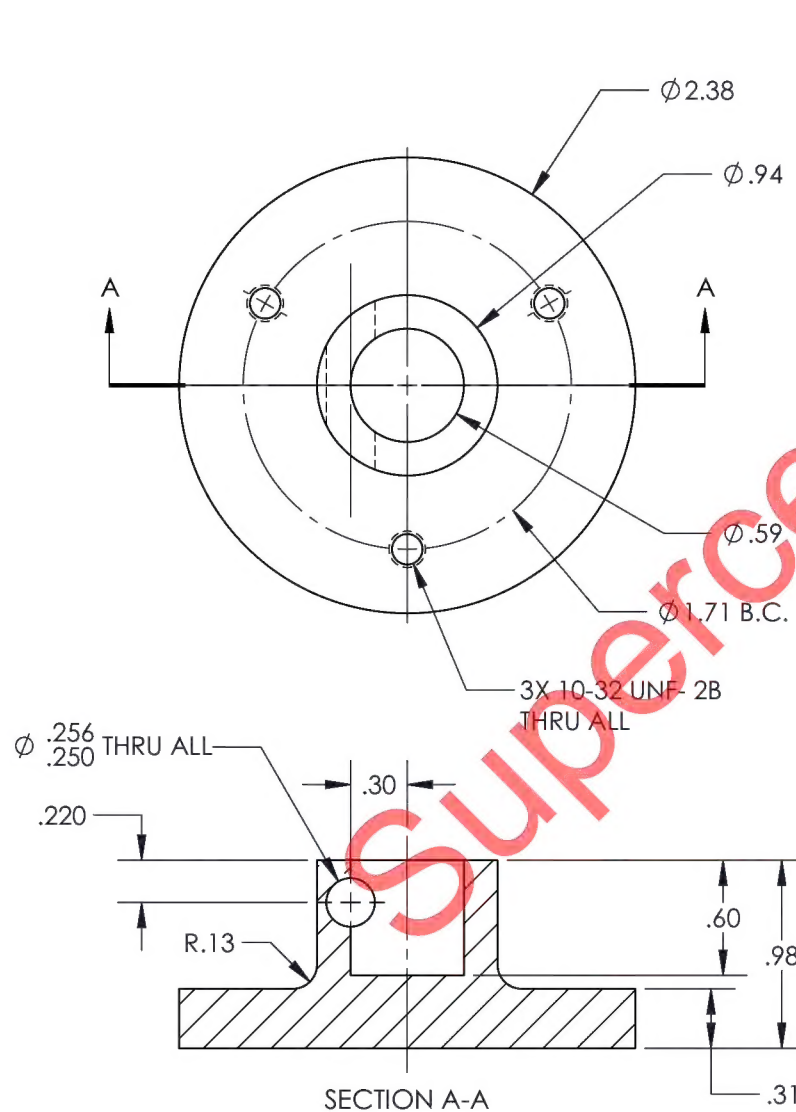
(-5)  
EXPANDER

<b>DART AEROSPACE</b>	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-5	REV 2
MAT'L 12L14	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH ZINC PLATE	.XX $\pm$ .01 ANGLES $\pm$ 5°
SPEC ASTM B633 TYPE I SC 2	.X $\pm$ .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:1	DATE 3/9/2015
SHEET 4 OF 8	



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0268	-7 ADDED DIM .220, CH'D THERAD CALL OUT WAS 3X 10-32 UNF THRU ALL IS 3X 10-32 UNF -2B THRU ALL, CH'D FINISH WAS CAD PLATE YELLOW IS ZINC PLATE SPEC. ASTM B633 TYPE I SC 2.	2/28/2017	RJC	JAG



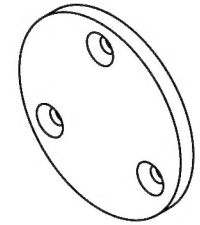
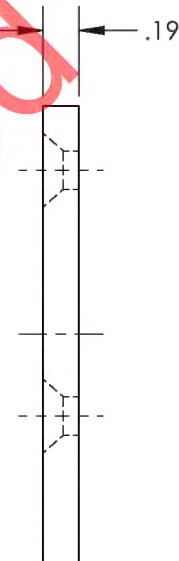
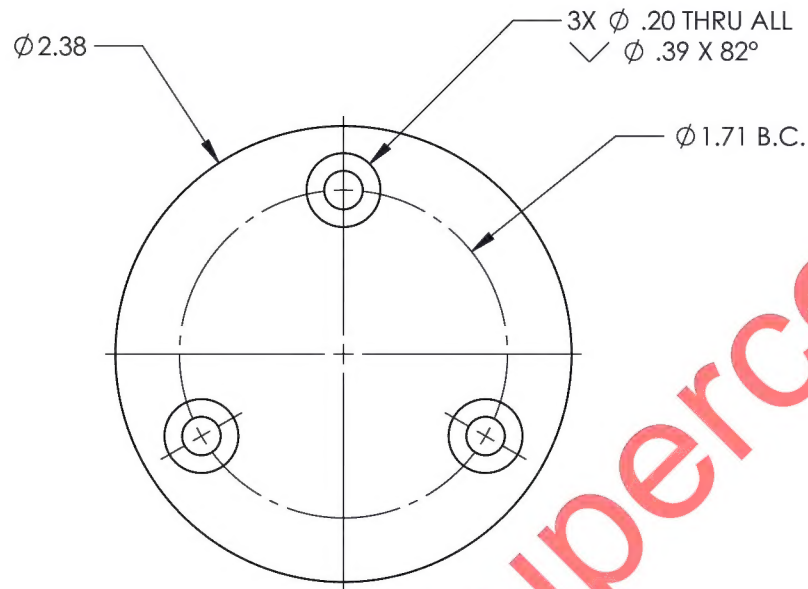
**UNDER REVIEW**  
URF 18-744 ML 18-06-11

<b>DART AEROSPACE</b>	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-7	REV 2
MAT'L 12L14	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX ± .005 FRACTIONS ± 1/8
FINISH ZINC PLATE	.XX ± .01 ANGLES ± 5°
SPEC ASTM B633 TYPE I SC 2	.X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:1	DATE 3/9/2015
SHEET 5 OF 8	

(-7)  
END

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0268	-9 CH'D DIM WAS (.188) IS .19, CH'D MATERIAL WAS NYLON/DELIN IS NYLON/DELIN/ACETAL.	2/28/2017	RJC	JAG



**UNDER REVIEW**  
URF 18-744 ML 18-06-11

Superceded

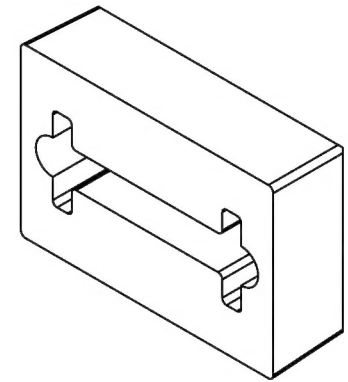
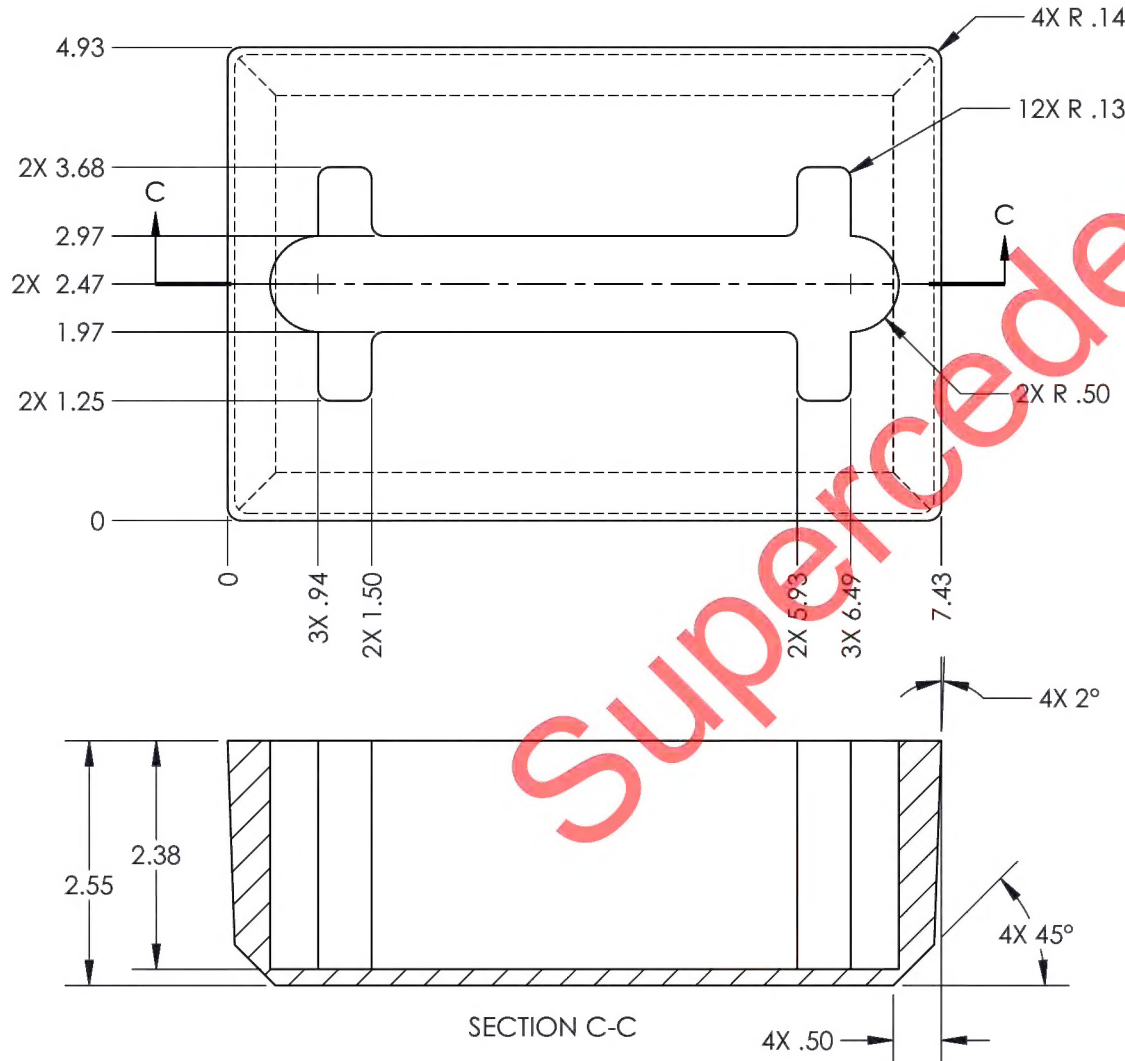
(-9)

PAD

<b>DART</b> AEROSPACE	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-9	REV 2
MAT'L NYLON/DELIN/ACETAL	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	.XXX $\pm$ .005 FRACTIONS $\pm$ 1/8
FINISH	.XX $\pm$ .01 ANGLES $\pm$ 5°
SPEC	.X $\pm$ .1 SURFACES = 125° ✓
DRAWN BY: DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: MACKOVJAK	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:1	DATE 3/9/2015
SHEET 6 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0268	-15 CH'D DIM WAS 4.83 IS 4.93, WAS 7.34 IS 7.43, WAS 2.58 IS 2.55, WAS 4X R.08 IS 4X R.14, DELETED DIM 4X R.08, ADDED DIMS 4X .50, 4X 45°, CH'D DWG. TO SHEET METAL TOLERANCE, CH'D MATERIAL AND VENDOR WAS Y20 BLACK I.R. SPECIALTY IS ETHAFOAM 220, BLACK (CASE SOLUTIONS).	2/28/2017	RJC	JAG



**UNDER REVIEW**  
URF 18-744 ML 18-06-11

SECTION C-C

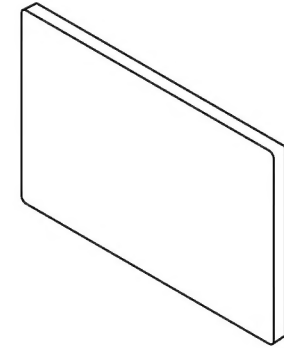
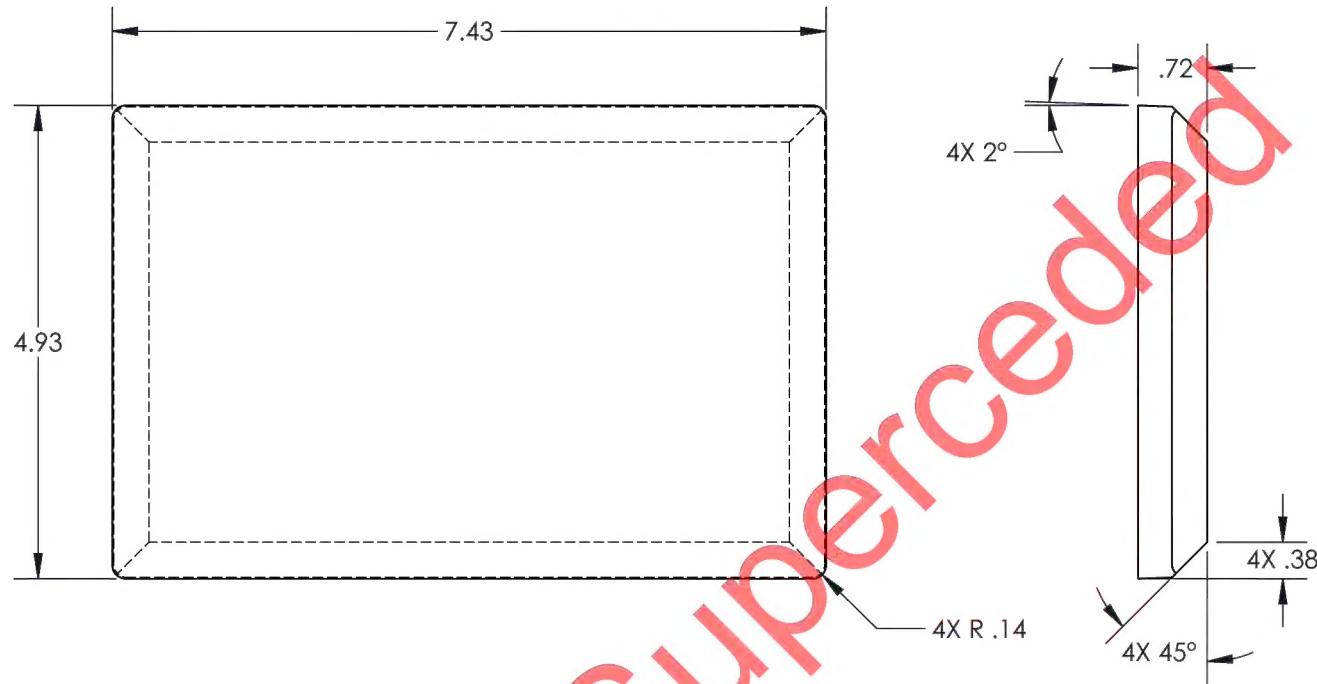
(-15)

BOTTOM FOAM

<b>DART AEROSPACE</b>	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-15	REV 2
MAT'L ETHAFOAM 220, BLACK	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125°	
SPEC 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY: DUERFELDT	USED ON MODEL
CHECKED: MACKOVJAK	AW139
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:2	DATE 3/12/2015
SHEET 7 OF 8	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0268	-17 CH'D DIM WAS 4.67 IS 4.93, WAS 7.14 IS 7.43, WAS 4X R.13 IS 4X R.14, WAS .45 IS .72, WAS 4X 1° IS 4X 2°, ADDED DIMS 4X .38, 4X 45°, CH'D DWG. TO SHEET METAL TOLERANCE, CH'D MATERIAL AND VENDOR WAS Y20 BLACK I.R. SPECIALTY IS ETHAFOAM 220, BLACK (CASE SOLUTIONS).	2/28/2017	RJC	JAG



**UNDER REVIEW**  
URF 18-744 ML 18-06-11

(-17)  
TOP FOAM

<b>DART AEROSPACE</b>	
TITLE RETRACTOR ASSY. M/R PITCH CONTROL LEVER INSTL	
DWG NO. RBW6205G06131-3G-17	REV 2
MAT'L ETHAFOAM 220, BLACK	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FEAT .XXX ± .010 FRACTIONS ± 1/8	
TREAT .XX ± .03 ANGLES ± 1°	
FINISH .X ± .1 SURFACES = 125/	
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: MACKOVJAK	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	USED ON MODEL
APPROVED: GILBERT	AW139
SCALE 1:2	DATE 3/12/2015
	SHEET 8 OF 8